

AMENDMENTS TO THE CLAIMS

Please amend Claim 1 as follows. Insertions are shown underlined while deletions are ~~struck through~~. Please cancel Claim 10.

1 (currently amended): A bulky paper configured to be used in a printing paper, a recording paper, or a base paper for art paper, cast coated paper or high-grade coated paper, comprising amphoteric polyacrylamide blended in LBKP (Leaf Bleached Kraft Pulp), which has an electric charge of 2.0 m-equivalent/g or less and a positive potential at pH 2 and has an electric charge of 2.0 m-equivalent/g or less and a negative potential at pH 12, said amphoteric polyacrylamide having an average molecular weight of 2,500,000 to 4,000,000 and blended in the pulp in an amount effective to improve paper bulkiness, paper strength, brightness, and opacity for the printing paper, the recording paper, or the base paper for art paper, wherein the polyacrylamide is added in an amount of 0.01-3.0 weight percent relative to the absolute dry weight of the pulp.

2 (original): The bulky paper as described in Claim 1, further comprising an amorphous silica or amorphous silicate with a specific bulk density of 0.3 g/ml or less as a filler.

3 (original): The bulky paper as described in Claim 1, further comprising a bulk-increasing agent comprising a fatty-acid polyamide compound or a bulk-increasing agent comprising an ester compound of a polyhydric alcohol and a fatty acid.

4 (original): The bulky paper as described in Claim 1, further comprising a mercerized pulp or bridged pulp.

5 (previously presented): The bulky paper as described in Claim 1, wherein a relative bonding area of said paper containing polyacrylamide is 1.2 times a relative bonding area of a paper not containing polyacrylamide, or less.

6 (previously presented): The bulky paper as described in Claim 2, wherein a relative bonding area of said paper containing polyacrylamide is 1.2 times a relative bonding area of a paper not containing polyacrylamide, or less.

7 (previously presented): The bulky paper as described in Claim 3, wherein a relative bonding area of said paper containing polyacrylamide is 1.2 times a relative bonding area of a paper not containing polyacrylamide, or less.

Appl. No. : 10/508,969
Filed : April 8, 2005

8 (previously presented): The bulky paper as described in Claim 4, wherein a relative bonding area of said paper containing polyacrylamide is 1.2 times a relative bonding area of a paper not containing polyacrylamide, or less.

9 (canceled):

10 (canceled)

11 (previously presented): The bulky paper as described in Claim 1, wherein the polyacrylamide is a copolymer of monomers selected from the group consisting of acrylamide monomers, cationic monomers and anionic monomers.

12 (previously presented): The bulky paper as described in Claim 11, wherein the acrylamide monomers are acrylamide monomers or methacrylamide monomers.

13 (previously presented): The bulky paper as described in Claim 11, wherein the cationic monomers are selected from the group consisting of tertiary amine monomers; inorganic or organic salt of the tertiary amine monomers; and quaternary ammonium salt monomers.

14 (previously presented): The bulky paper as described in Claim 11, wherein the anionic monomers are selected from the group consisting of monomers containing monocarboxylates or dicarboxylates.

15 (previously presented): The bulky paper as described in Claim 1, wherein the amphoteric polyacrylamide has an electric charge of 1.5 m-equivalent/g or less and a positive potential at pH 2 and has an electric charge of 1.8 m-equivalent/g or less and a negative potential at pH 12.